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MIYASHITA et al.(10) **Pub. No.: US 2020/0177232 A1**(43) **Pub. Date: Jun. 4, 2020**(54) **TRANSMITTING DEVICE, RECEIVING
DEVICE, TRANSMISSION METHOD,
RECEPTION METHOD, AND PROGRAM****Publication Classification**(51) **Int. Cl.**
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(JP)**(57) **ABSTRACT**(72) Inventors: **Takashi MIYASHITA, TOKYO (JP);
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A transmitting device, a receiving device, a transmission method, a reception method and a program that can improve the data arrival rate in data transmission using a frequency-hopping technique are provided. In each of a plurality of unit periods, an HMD (12) executes data transmission at a frequency associated with the unit period. A packet transmitting unit (84) acquires to-be-transmitted data. The packet transmitting unit (84) transmits identical pieces of the to-be-transmitted data in a plurality of unit periods associated with mutually different frequencies.

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